# BRUHAT BANGALORE MAHANAGARA PALIKE

YELHANKA ZONE ELECTRICAL DIVISION

**Name of Work:-**Detailed Estimate for Supplay and Errection of Boat Style Floating Jet Aerator of approxmatly 13 Mtrs Height With LED RGB Lights including HT Installation in Allalsandra tank Ward No4.

Budget Head .....

Division No..... Estimate No. 47/2017-18 For Rs. **2300000.00**

| Sl.No. | SR Page & SL No | Description of Work | Qty. | Rate Rs. | Unit | Amount |
|---|---|---|---|---|---|---|
| | | | | | | |
| 1 | AR | Supplay, Instalation Testing And Commissioning of of COMPACT floating foaming Jet Aerator. The Seven heavy Jets radiating out from the base is mounted on an unobtrusive circular float built in international standards in GRP With alluminium sub frame for complete corrosion rasistance there are four separate compartments each fitted with closed cell foam prevents the entry of water *even* if floot holed, with 2x10HP Motor,12No. 54 Wx24V LED RGB Lights completly integrated Package, factory assembled so as to achive the best possiable display and precision of the Water Jets and effects. The pump set is exactly matched to the fountain,The work should be carried out as per the directions of the incharge Engineer including lead & lift | 1 | 1649500.00 | Set | 1649500.00 |
| 2 | 56/7.4.8 | Supplying of LT UG cable having aluminium conductor PVC insulated, sheathed, galvanished, steel wire/steel tap armoured cable with PVC outer sheating 1.1 KV class.I. Class 'A' PVC Cable. 3.5 core 70 sqmm | 500 | 270.00 | Per Mtr | 135000.00 |
| 3 | 61/7.8.2 | Labour charges for laying of 1.1 KV class UG cable when supplied agency in existing trench GI pipe / stoneware pipe / on wall /on pole as required. I. In existing trench/duct. 25 sqmm to 75 sqmm | 500 | 16.00 | Per Mtr | 8000.00 |
| 4 | 62/7.9.1 | Digging of trench of 0.6 m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc.,complete. (As perCivil SR KSRB I-2, P-7).a) In soil (ordinary) | 450 | 78.00 | Per Mtr | 35100.00 |
| 5 | 49/6.40.2 | Fabricating supplying and mounting MS box made out... SWG suitable lfor floor/wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size cdlamps with mecessary cable entry pipe with gland and box should be finished with 2 cdoats of red oxide primer paint and finally finished with approved colour enameled metal pain etc., complete. b)16 swg | 90000 | 0.33 | Sqcm | 29700.00 |

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|---|---|---|---|---|---|---|
| 6 | 49/6.39.1 | Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. And M.S. flat... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. a)40X40X6mm | 10 | 263.00 | Per Mtr | 2630.00 |
| 7 | 6.12.4 | Supply and fixing of 4-pole power contactor with NO/NC contacts on existing wood / panel board using necessary bolts, nuts, washers and wiring etc., complete. d) 160-200Amps | 1 | 15974.00 | Nos | 15974.00 |
| 8 | 47/6.16.4 | Supplying and fixing miniature circuit breakes on exisiting MCB distribution boards using necessary fixing materials and wiring complete as required. b) 40-63Amps DP,2. Group 'A' | 3 | 1093.00 | Nos | 3279.00 |
| 9 | 47/6.16.6 | f)40-63Amps TPN, Group A | 4 | 1936.00 | Nos | 7744.00 |
| 10 | 228/2.8.9 | Supplying and drawing Flexible Multicore Cable manufactured with electrolytic grade flexible copper with low conductor confirming to table 3 class 5 of IS:8130-1984 and (Virgin) PVC insulation and sheathed suitable for working voltage upto 1100Volts as per IS-694:1990 & confirming to GTP of GROUP-A.4C X 2.5Sq.mm(150Mtrs x3runs) | 500 | 93.40 | Mtrs | 46700.00 |
| 11 | 12/2.1.4 | Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to table 3 class 5 of IS:8130-1984 and virgin grade PVC insulation and powder coating extruded PVC sheathed suitable for working voltage upto 1100Volts as per IS-694:1990 & confirming to GTP of GROUP-A 3C X 6.0Sq.mm(150Mtrs x 4 Runs) | 650 | 188.70 | Mtrs | 122655.00 |
| 12 | 46/6.13.A.2 | Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. ( Icu = Ics) THREE POLE 125-160Amps 25kA. | 2 | 5406.00 | | 10812.00 |
| 13 | 46/6.13.A.4 | 250Amps 35kA. | 2 | 13390.00 | NOS | 26780.00 |
| | 64/7.22.6 | Supplying and running GI/Copper conductor for grounding and (along with other wires in conduit system of wiring) using necessary suitable size clamps, nails, guttas/spacers etc. Copper wire.8 SWG | 174 | 107.70 | Mtrs | 18739.80 |

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|---|---|---|---|---|---|---|
| 14 | 61/7.6.5 | Supplying of 1.1KV grade Aerial Bunched Cable Stranded & Compacted Aluminum Phase Conductor, and Stranded Messenger Conductor with all aluminum Alloy, Phase Conductor is insulated with XLPE Compound, insulated Messenger with specified IS-14255:1995 & confirming to GTP of GROUP-A. 3 X 25 + 1 X 25 + 1 X 16 SQ.MM | 1000/1200 | 177.00 | Mtrs | 177000/- 212400.00 |
| 15 | Bes SR | Stringing of 1.1kv LT Arial Bunched Cable, BESCOM SR | 1000/1200 | 10.30 | Per Mtr | 10300-00 12360.00 |
| | | Mislenious | | | | 86.92 524.00 |
| | | **Total** | | | | 2300000.00 |

CERTIFICATE

1. The Place was inspected and work is essential.
2. The Provision made in the estimate is adequate and are necessary.
3. The Work comes in the BBMP limit and is legitimate charges on the Corporation Funds.
4. The rates in the Estimate is based on PWD (Elec) SR of 2014-15 and Approved Rates .

K.M. Reddy
jr/Asst. Engineer (Elec)

Asst. Exe.Engineer (Elec)
yelhanka zone
Bruhat Bangalore Mahanagara Palike

EXECUTIVE ENGINEER (ELEC)
YELHANKA ZONE
BRUHAT BANGALORE MAHANAGARA PALIKE

Administrative Sanction for Rs. 23.00 LAKHS ONLY
is accorded under Head P3250 SPECIAL DEVELOPMENT WORKS AT WARD
Registered as EE No. 47/2017-18 Subject to conditions contained in enclosed memo No. BBMP/EE(E)(E)/AD/AS/44/2017-18 Dt
Executive Engineer

Technical Sanction
Accorded For 23.00 Lakhs
Head of A/C P3250
CER NO: TS 206/17-18 26.02.18
[TA] CE (YNK)